# Statement of Basis of the Federal Operating Permit

Vopak Terminal Deer Park, Inc.

Site/Area Name: Vopak Terminal Deer Park
Physical location: 2759 Independence Pkwy S
Nearest City: Deer Park
County: Harris

Permit Number: O1068
Project Type: Renewal

Standard Industrial Classification (SIC) Code: 4226
SIC Name: Special Warehousing and Storage

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

A description of the facility/area process description;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: February 12, 2014

# Operating Permit
# Basis of Determination

## Permit Area Process Description

VOPAK Deer Park Terminal operates a for-hire liquid loading terminal. The facility receives products from pipelines, tank trucks, railroad tank cars, barges and ships. The facility consists of 252 storage vessels ranging in size from approximately 42,000 gallons to 3.3 million gallons, and associated support facilities, including loading racks, a marine terminal, liquid conveyance systems and two small boilers. Vopak utilizes internal floating roof tanks, a water scrubber and vapor combustion devices to reduce VOC emissions. In their application for a federal permit, the facility indicates that they have the potential to install and remove internal seals from their tanks depending on the needs of their customers. The truck and rail loading facilities are controlled by two flares. The marine loading facilities are controlled by two marine flare.

The facility is capable of storing wastewater, potable water, oils, lube oil additives, caustic soda, and various other chemicals and petrochemicals.

## FOPs at Site

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

## Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

| | |
|---|---|
| Major Pollutants | VOC, $NO_X$, HAPs |

## Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements
    - Compliance Requirements
    - Protection of Stratosphere Ozone

    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

**Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions**

All stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

**Federal Regulatory Applicability Determinations**

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

| Regulatory Program | Applicability (Yes/No) |
|---|---|
| Prevention of Significant Deterioration (PSD) | No |
| Nonattainment New Source Review (NNSR) | No |
| Minor NSR | Yes |
| 40 CFR Part 60 - New Source Performance Standards | Yes |
| 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs) | Yes |
| 40 CFR Part 63 - NESHAPs for Source Categories | Yes |
| Title IV (Acid Rain) of the Clean Air Act (CAA) | No |
| Title V (Federal Operating Permits) of the CAA | Yes |
| Title VI (Stratospheric Ozone Protection) of the CAA | Yes |
| CAIR (Clean Air Interstate Rule) | No |

**Insignificant Activities**

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and

emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.

12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

**Determination of Applicable Requirements**

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found

in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility
When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

## Determination of Applicable Requirements

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| NO1FWPUM | 30 TAC Chapter 117, Subchapter B | 117-FWPM | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel |
| NO1FWPUM | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ | Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.<br>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.<br>Service Type = Emergency use.<br>Installation Date = The emergency use stationary RICE was installed prior to June 12, 2006.<br>Stationary RICE Type = 4 stroke spark ignited rich burn engine |
| GRPTK1 | 30 TAC Chapter 115, Storage of VOCs | 1a-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK1 | 30 TAC Chapter 115, Storage of VOCs | 1a-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK1 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK1 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK1 | 30 TAC Chapter 115, Storage of VOCs | 4-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK1 | 30 TAC Chapter 115, Storage of VOCs | 4-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK1 | 40 CFR Part 60, Subpart K | 1-K1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less |
| GRPTK1 | 40 CFR Part 60, Subpart K | 1-K2 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum (other than crude oil) or condensate<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less |
| GRPTK1 | 40 CFR Part 60, Subpart K | 1-K3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) |
| GRPTK1 | 40 CFR Part 60, Subpart K | 4-K1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia<br>Storage Vessel Description = Floating roof (internal or external)<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK1 | 40 CFR Part 60, Subpart K | 4-K2 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum (other than crude oil) or condensate<br>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia<br>Storage Vessel Description = Floating roof (internal or external)<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia |
| GRPTK1 | 40 CFR Part 60, Subpart K | 4-K3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) |
| GRPTK1 | 40 CFR Part 61, Subpart Y | Y3 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using two seals mounted one above the other, where the lower seal can be vapor-mounted, but both continuous |
| GRPTK1 | 40 CFR Part 61, Subpart Y | Y4 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using a metallic shoe seal |
| GRPTK1 | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | PRODUCT STORED = Organic HAP containing liquid other than crude oil. |
| GRPTK1 | 40 CFR Part 63, Subpart R | R4 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK1 | 40 CFR Part 63, Subpart R | R5 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| GRPTK2 | 30 TAC Chapter 115, Storage of VOCs | 1a-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK2 | 30 TAC Chapter 115, Storage of VOCs | 1a-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK2 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK2 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK2 | 30 TAC Chapter 115, Storage of VOCs | 4-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK2 | 30 TAC Chapter 115, Storage of VOCs | 4-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK2 | 40 CFR Part 60, Subpart K | 1-K1 | Construction/Modification Date = On or before June 11, 1973 |
| GRPTK2 | 40 CFR Part 60, Subpart K | 1-K2 | Construction/Modification Date = On or before June 11, 1973 |
| GRPTK2 | 40 CFR Part 60, Subpart K | 1-K3 | Construction/Modification Date = On or before June 11, 1973 |
| GRPTK2 | 40 CFR Part 60, Subpart K | 4-K1 | Construction/Modification Date = On or before June 11, 1973 |
| GRPTK2 | 40 CFR Part 60, Subpart K | 4-K2 | Construction/Modification Date = On or before June 11, 1973 |
| GRPTK2 | 40 CFR Part 60, Subpart K | 4-K3 | Construction/Modification Date = On or before June 11, 1973 |
| GRPTK2 | 40 CFR Part 61, Subpart Y | Y3 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is not subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using two seals mounted one above the other, where the lower seal can be vapor-mounted, but both continuous |
| GRPTK2 | 40 CFR Part 61, Subpart Y | Y4 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is not subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using a metallic shoe seal |
| GRPTK2 | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | PRODUCT STORED = Organic HAP containing liquid other than crude oil. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK2 | 40 CFR Part 63, Subpart R | R4 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| GRPTK2 | 40 CFR Part 63, Subpart R | R5 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| GRPTK4 | 30 TAC Chapter 115, Storage of VOCs | 1a-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK4 | 30 TAC Chapter 115, Storage of VOCs | 1a-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK4 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK4 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK4 | 30 TAC Chapter 115, Storage of VOCs | 4-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK4 | 30 TAC Chapter 115, Storage of VOCs | 4-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK4 | 40 CFR Part 60, Subpart Ka | 1-Ka1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)<br>True Vapor Pressure = TVP is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required (fixed roof)<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is less than or equal to 1.0 psia |
| GRPTK4 | 40 CFR Part 60, Subpart Ka | 1-Ka2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)<br>True Vapor Pressure = TVP is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required (fixed roof)<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is less than or equal to 1.0 psia |
| GRPTK4 | 40 CFR Part 60, Subpart Ka | 1-Ka3 | Product Stored = Stored product other than a petroleum liquid |
| GRPTK4 | 40 CFR Part 60, Subpart Ka | 4-Ka1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)<br>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating-type cover<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia |
| GRPTK4 | 40 CFR Part 60, Subpart Ka | 4-Ka2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)<br>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating-type cover<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK4 | 40 CFR Part 60, Subpart Ka | 4-Ka3 | Product Stored = Stored product other than a petroleum liquid |
| GRPTK4 | 40 CFR Part 61, Subpart Y | Y3 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using two seals mounted one above the other, where the lower seal can be vapor-mounted, but both continuous |
| GRPTK4 | 40 CFR Part 61, Subpart Y | Y4 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using a metallic shoe seal |
| GRPTK4 | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | PRODUCT STORED = Organic HAP containing liquid other than crude oil. |
| GRPTK4 | 40 CFR Part 63, Subpart R | R4 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| GRPTK4 | 40 CFR Part 63, Subpart R | R5 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| GRPTK5 | 30 TAC Chapter 115, Storage of VOCs | 1a-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK5 | 30 TAC Chapter 115, Storage of VOCs | 1a-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK5 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK5 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK5 | 30 TAC Chapter 115, Storage of VOCs | 4-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK5 | 30 TAC Chapter 115, Storage of VOCs | 4-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 1a-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 1a-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 1a-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 1-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 1-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 1-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 4a-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 4a-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 4a-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 4-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 4-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal |
| GRPTK5 | 40 CFR Part 60, Subpart Kb | 4-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal |
| GRPTK5 | 40 CFR Part 61, Subpart Y | Y3 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using two seals mounted one above the other, where the lower seal can be vapor-mounted, but both continuous |
| GRPTK5 | 40 CFR Part 61, Subpart Y | Y4 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using a metallic shoe seal |
| GRPTK5 | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | PRODUCT STORED = Organic HAP containing liquid other than crude oil. |
| GRPTK5 | 40 CFR Part 63, Subpart R | R4 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure<br>Subject to NSPS Kb = Storage vessel is subject to 40 CFR Part 60, Subpart Kb |
| GRPTK5 | 40 CFR Part 63, Subpart R | R5 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal<br>Subject to NSPS Kb = Storage vessel is subject to 40 CFR Part 60, Subpart Kb |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK6 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK6 | 40 CFR Part 60, Subpart Ka | 1-Ka3 | Product Stored = Stored product other than a petroleum liquid |
| GRPTK6 | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | PRODUCT STORED = Organic HAP containing liquid other than crude oil. |
| GRPTK7 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK7 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| GRPTK7 | 40 CFR Part 60, Subpart Kb | 1a-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| GRPTK7 | 40 CFR Part 60, Subpart Kb | 1a-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| GRPTK7 | 40 CFR Part 60, Subpart Kb | 1a-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| GRPTK7 | 40 CFR Part 60, Subpart Kb | 1-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTK7 | 40 CFR Part 60, Subpart Kb | 1-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| GRPTK7 | 40 CFR Part 60, Subpart Kb | 1-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| T-329 | 30 TAC Chapter 115, Storage of VOCs | 1a-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-329 | 30 TAC Chapter 115, Storage of VOCs | 1a-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-329 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-329 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| T-329 | 30 TAC Chapter 115, Storage of VOCs | 4-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-329 | 30 TAC Chapter 115, Storage of VOCs | 4-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-329 | 40 CFR Part 60, Subpart K | K1 | Construction/Modification Date = After June 11, 1973 And on or before March 8, 1974<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) and less than or equal to 65,000 gallons (246,052 liters) |
| T-329 | 40 CFR Part 60, Subpart K | K2 | Construction/Modification Date = After June 11, 1973 And on or before March 8, 1974<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) and less than or equal to 65,000 gallons (246,052 liters) |
| T-329 | 40 CFR Part 61, Subpart Y | Y3 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using two seals mounted one above the other, where the lower seal can be vapor-mounted, but both continuous |
| T-329 | 40 CFR Part 61, Subpart Y | Y4 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using a metallic shoe seal |
| T-329 | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | PRODUCT STORED = Organic HAP containing liquid other than crude oil. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| T-329 | 40 CFR Part 63, Subpart R | R4 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| T-329 | 40 CFR Part 63, Subpart R | R5 | Storage Capacity = Capacity is at least 20,000 gallons (75,708 liters)<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation (AMEL) as it pertains to 40 CFR Part 63, Subpart R.<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal<br>Subject to NSPS Kb = Storage vessel is not subject to 40 CFR Part 60, Subpart Kb<br>EFR Not Meeting Rim Seal Requirements = Storage vessel has an external floating roof which meets 40 CFR Part 60, Subpart Kb rim seal requirements as of December 14, 1994. |
| T-803 | 30 TAC Chapter 115, Storage of VOCs | 1-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-803 | 30 TAC Chapter 115, Storage of VOCs | 1-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-803 | 30 TAC Chapter 115, Storage of VOCs | 4-V1 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = Crude oil and/or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |
| T-803 | 30 TAC Chapter 115, Storage of VOCs | 4-V2 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| T-803 | 40 CFR Part 60, Subpart Kb | 1a-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| T-803 | 40 CFR Part 60, Subpart Kb | 1a-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| T-803 | 40 CFR Part 60, Subpart Kb | 1a-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| T-803 | 40 CFR Part 60, Subpart Kb | 1-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| T-803 | 40 CFR Part 60, Subpart Kb | 1-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| T-803 | 40 CFR Part 60, Subpart Kb | 1-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) |
| T-803 | 40 CFR Part 60, Subpart Kb | 4-Kb1 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = CVS and control device other than a flare (fixed roof) |
| T-803 | 40 CFR Part 60, Subpart Kb | 4-Kb2 | Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = CVS and control device other than a flare (fixed roof) |
| T-803 | 40 CFR Part 60, Subpart Kb | 4-Kb3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = CVS and control device other than a flare (fixed roof) |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| T-803 | 40 CFR Part 61, Subpart Y | Y3 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using two seals mounted one above the other, where the lower seal can be vapor-mounted, but both continuous |
| T-803 | 40 CFR Part 61, Subpart Y | Y4 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Fixed roof with an internal floating roof using a metallic shoe seal |
| T-803 | 40 CFR Part 61, Subpart Y | Y5 | Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles<br>Storage Capacity = Capacity is greater than or equal to 10,000 gallons<br>Stringency = The storage vessel is subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb and the provisions of 40 CFR Part 61, Subpart Y are more stringent<br>Alternate Means of Emission Limitation = Not using an alternate means of emission limitation<br>Tank Description = Closed vent system<br>Control Device Type = Control device other than a flare |
| GRPBGD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-5L | 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure less than 0.5 psia. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPBGD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-6L | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |
| GRPBGD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-6L1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |
| GRPBGD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-7L | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPBGD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-7L1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |
| GRPBGD | 40 CFR Part 61, Subpart BB | BB-8L | NEGATIVE APPLICABILITY [NESHAP BB] = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.<br>BENZENE BY WEIGHT [NESHAP BB] = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.<br>ANNUAL AMOUNT LOADED [NESHAP BB] = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).<br>LOADING LOCATION [NESHAP BB] = Marine loading only.<br>40 CFR 61 (NESHAP) BB CONTROL DEVICE TYPE = Flare.<br>INTERMITTENT CONTROL DEVICE [NESHAP BB] = The control device does not operate intermittently.<br>DIVERTED GAS STREAM [NESHAP BB] = The vent gas stream cannot be diverted from the control device. |
| GRPBGD | 40 CFR Part 61, Subpart BB | BB-8L1 | NEGATIVE APPLICABILITY [NESHAP BB] = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.<br>BENZENE BY WEIGHT [NESHAP BB] = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.<br>ANNUAL AMOUNT LOADED [NESHAP BB] = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).<br>LOADING LOCATION [NESHAP BB] = Marine loading only.<br>40 CFR 61 (NESHAP) BB CONTROL DEVICE TYPE = Flare.<br>INTERMITTENT CONTROL DEVICE [NESHAP BB] = The control device does not operate intermittently.<br>DIVERTED GAS STREAM [NESHAP BB] = The vent gas stream cannot be diverted from the control device. |
| GRPDM | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-1L | 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure less than 0.5 psia. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPDM | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-2LG | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Gasoline terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>VAPOR SPACE HOLDING TANK = the gasoline terminal does not have a variable vapor space holding tank design that can process vapors independent of transport vessel loading or chooses compliance with 30 TAC 115.212(a)(4)(C).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals. |
| GRPDM | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-2LG1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Gasoline terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>VAPOR SPACE HOLDING TANK = the gasoline terminal does not have a variable vapor space holding tank design that can process vapors independent of transport vessel loading or chooses compliance with 30 TAC 115.212(a)(4)(C).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals. |
| GRPDM | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | EXISTING SOURCE = Source is an existing source<br>TRANSFER OPERATION = Transfer rack both loads and unloads organic liquids<br>TRANSFER VOLUME = Ten million gallons or more of organic containing liquieds are transferred by the organic loading distribution facility annually. |
| GRPDMT | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-5L | 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure less than 0.5 psia. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPDMT | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | EXISTING SOURCE = Source is an existing source<br>TRANSFER OPERATION = Transfer rack both loads and unloads organic liquids<br>TRANSFER VOLUME = Ten million gallons or more of organic containing liquieds are transferred by the organic loading distribution facility annually. |
| GRPSD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-5La | 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Only unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure less than 0.5 psia. |
| GRPSD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-5Lb | 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Only loading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure less than 0.5 psia. |
| GRPSD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-6L | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPSD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-6L1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |
| GRPSD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-7L | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |
| GRPSD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-7L1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPSD | 40 CFR Part 61, Subpart BB | BB-8L | NEGATIVE APPLICABILITY [NESHAP BB] = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.<br>BENZENE BY WEIGHT [NESHAP BB] = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.<br>ANNUAL AMOUNT LOADED [NESHAP BB] = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).<br>LOADING LOCATION [NESHAP BB] = Marine loading only.<br>40 CFR 61 (NESHAP) BB CONTROL DEVICE TYPE = Flare.<br>INTERMITTENT CONTROL DEVICE [NESHAP BB] = The control device does not operate intermittently.<br>DIVERTED GAS STREAM [NESHAP BB] = The vent gas stream cannot be diverted from the control device. |
| GRPSD | 40 CFR Part 61, Subpart BB | BB-8L1 | NEGATIVE APPLICABILITY [NESHAP BB] = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.<br>BENZENE BY WEIGHT [NESHAP BB] = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.<br>ANNUAL AMOUNT LOADED [NESHAP BB] = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).<br>LOADING LOCATION [NESHAP BB] = Marine loading only.<br>40 CFR 61 (NESHAP) BB CONTROL DEVICE TYPE = Flare.<br>INTERMITTENT CONTROL DEVICE [NESHAP BB] = The control device does not operate intermittently.<br>DIVERTED GAS STREAM [NESHAP BB] = The vent gas stream cannot be diverted from the control device. |
| GRPTR | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-1L | 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure less than 0.5 psia. |
| GRPTR | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-2L | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Loading greater than or equal to 20,000 gallons per day.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTR | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-2L1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Loading greater than or equal to 20,000 gallons per day.<br>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%. |
| GRPTR | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-2LG | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Gasoline terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>VAPOR SPACE HOLDING TANK = the gasoline terminal does not have a variable vapor space holding tank design that can process vapors independent of transport vessel loading or chooses compliance with 30 TAC 115.212(a)(4)(C).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals. |
| GRPTR | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-2LG1 | 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.<br>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Gasoline terminal<br>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.<br>VAPOR TIGHT = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.<br>PRODUCT TRANSFERRED = Gasoline<br>VAPOR SPACE HOLDING TANK = the gasoline terminal does not have a variable vapor space holding tank design that can process vapors independent of transport vessel loading or chooses compliance with 30 TAC 115.212(a)(4)(C).<br>TRANSFER TYPE = Loading and unloading.<br>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.<br>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| GRPTR | 40 CFR Part 60, Subpart XX | XX-6L | CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS XX] = After December 17, 1980<br>COMPONENT REPLACEMENT [NSPS XX] = The replacement of components was not commenced before August 8, 1983 in order to comply with any standard adopted by a state or political subdivision thereof.<br>EXISTING VAPOR PROCESSING SYSTEM [NSPS XX] = The facility is equipped with an existing vapor processing system.<br>FLARE = The facility is using a flare, as defined in 40 CFR § 60.501, to control vapor emissions.<br>VAPOR PROCESSING SYSTEM TYPE [NSPS XX] = Continuous combustion vapor processing system. |
| GRPTR | 40 CFR Part 61, Subpart BB | BB-8L | NEGATIVE APPLICABILITY [NESHAP BB] = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.<br>BENZENE BY WEIGHT [NESHAP BB] = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.<br>ANNUAL AMOUNT LOADED [NESHAP BB] = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).<br>LOADING LOCATION [NESHAP BB] = Land loading only.<br>40 CFR 61 (NESHAP) BB CONTROL DEVICE TYPE = Flare.<br>INTERMITTENT CONTROL DEVICE [NESHAP BB] = The control device does not operate intermittently.<br>DIVERTED GAS STREAM [NESHAP BB] = The vent gas stream cannot be diverted from the control device. |
| GRPTR | 40 CFR Part 61, Subpart BB | BB-8L1 | NEGATIVE APPLICABILITY [NESHAP BB] = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.<br>BENZENE BY WEIGHT [NESHAP BB] = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.<br>ANNUAL AMOUNT LOADED [NESHAP BB] = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).<br>LOADING LOCATION [NESHAP BB] = Land loading only.<br>40 CFR 61 (NESHAP) BB CONTROL DEVICE TYPE = Flare.<br>INTERMITTENT CONTROL DEVICE [NESHAP BB] = The control device does not operate intermittently.<br>DIVERTED GAS STREAM [NESHAP BB] = The vent gas stream cannot be diverted from the control device. |
| GRPTR | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | EXISTING SOURCE = Source is an existing source<br>TRANSFER OPERATION = Transfer rack only loads organic liquids<br>TRANSFER VOLUME = Ten million gallons or more of organic containing liquieds are transferred by the organic loading distribution facility annually. |
| GRPTR | 40 CFR Part 63, Subpart R | R-3L | VAPOR PROCESSING SYSTEM = The vapor processing system operates intermittently.<br>40 CFR 63 SUBPART R (MACT R) CONTROL DEVICE TYPE = Flare. |
| GRPTR | 40 CFR Part 63, Subpart R | R-3L1 | VAPOR PROCESSING SYSTEM = The vapor processing system operates intermittently.<br>40 CFR 63 SUBPART R (MACT R) CONTROL DEVICE TYPE = Flare. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| B-1 | 30 TAC Chapter 117, Subchapter B | VII-1 | NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>UNIT TYPE = Other industrial, commercial, or institutional boiler.<br>MAXIMUM RATED CAPACITY = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.<br>NOX MONITORING SYSTEM = Maximum emission rate testing.<br>OPT-IN UNIT = The unit is not an opt-in eligible unit or the option is not exercised.<br>FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option.<br>CO MONITORING SYSTEM = Monitored by method other than CEMS or PEMS.<br>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.<br>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/hour on a block one-hour average.<br>NOX REDUCTIONS = Other post combustion control method. |
| B-1 | 40 CFR Part 60, Subpart Dc | Dc-1 | CONSTRUCTION/MODIFICATION DATE = On or before June 9, 1989. |
| B-2 | 30 TAC Chapter 117, Subchapter B | VII-1 | NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>UNIT TYPE = Other industrial, commercial, or institutional boiler.<br>MAXIMUM RATED CAPACITY = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.<br>NOX MONITORING SYSTEM = Maximum emission rate testing.<br>OPT-IN UNIT = The unit is not an opt-in eligible unit or the option is not exercised.<br>FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option.<br>CO MONITORING SYSTEM = Monitored by method other than CEMS or PEMS.<br>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.<br>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/hour on a block one-hour average.<br>NOX REDUCTIONS = Other post combustion control method. |
| B-2 | 40 CFR Part 60, Subpart Dc | Dc-1 | CONSTRUCTION/MODIFICATION DATE = On or before June 9, 1989. |
| FL-600 | 30 TAC Chapter 111, Visible Emissions | 111-1 | ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions. |
| FL-600 | 40 CFR Part 60, Subpart A | 60A-1 | SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.<br>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).<br>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| FL-600 | 40 CFR Part 63, Subpart A | 63A-1 | REQUIRED UNDER 40 CFR 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>HEAT CONTENT SPECIFICATION = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).<br>FLARE ASSIST TYPE = Air assisted |
| FL-900 | 30 TAC Chapter 111, Visible Emissions | 111-1 | ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions. |
| FL-900 | 40 CFR Part 60, Subpart A | 60A-1 | SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.<br>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).<br>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted |
| FL-900 | 40 CFR Part 63, Subpart A | 63A-1 | REQUIRED UNDER 40 CFR 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>HEAT CONTENT SPECIFICATION = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).<br>FLARE ASSIST TYPE = Air assisted |
| TO-1M | 30 TAC Chapter 111, Visible Emissions | 111-1 | ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions. |
| TO-1M | 40 CFR Part 60, Subpart A | 60A-1 | SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.<br>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).<br>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted |
| TO-1M | 40 CFR Part 63, Subpart A | 63A-1 | REQUIRED UNDER 40 CFR 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>HEAT CONTENT SPECIFICATION = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).<br>FLARE ASSIST TYPE = Air assisted |
| TO-2M | 30 TAC Chapter 111, Visible Emissions | 111-1 | ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions. |
| TO-2M | 40 CFR Part 60, Subpart A | 60A-1 | SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.<br>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).<br>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted |
| TO-2M | 40 CFR Part 63, Subpart A | 63A-1 | REQUIRED UNDER 40 CFR 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>HEAT CONTENT SPECIFICATION = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).<br>FLARE ASSIST TYPE = Air assisted |
| FUG | 30 TAC Chapter 115, Pet. Refinery | R5352ALL | SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| | & Petrochemicals | | COMPRESSOR SEALS/VOC SERVICE [REG V] = YES<br>FLANGES = YES<br>OPEN-ENDED VALVES ANDLINES = YES<br>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES<br>PROCESS DRAINS/VOC SERVICE [REG V] = YES<br>PUMP SEALS IN VOC SERVICE [REG V] = YES<br>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.<br>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.<br>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES<br>ACR = NO<br>ACR FOR FLANGES = NO<br>ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO<br>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO<br>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO<br>ALTERNATE CONTROL REQUIREMENT (ACR)--PROCESS DRAINS [REG V] = NO<br>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO<br>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169<br>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.<br>SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT DOES NOT HAVE SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169<br>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = COMPONENTS IN THE FUGITIVE UNIT CONTACT PROCESS FLUIDS THAT CONTAIN LESS THAN 10% VOC BY WEIGHT AND PROCESS FLUIDS THAT CONTAIN VOC AT 10%, OR GREATER, BY WEIGHT<br>COMPLYING WITH §115.352(1) = YES<br>COMPLYING W/ 30 TAC 115.352(1)--PROCESS DRAINS = YES<br>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS<br>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS<br>TVP LESS THAN OR EQUAL TO 0.044 PSIA AT 68 DEGREES F--PROCESS DRAINS [REG V] = PROCESS FLUID HAS A TRUE VAPOR PRESSURE (TVP) LESS THAN OR EQUAL TO 0.044 PSIA AT 68 DEGREES FAHRENHEIT<br>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES<br>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = YES<br>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES<br>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES<br>TVP GREATER THAN 0.044 PSIA AT 68 DEGREES F--PROCESS DRAINS [REG V] = PROCESS FLUID HAS A TRUE VAPOR PRESSURE (TVP) GREATER THAN 0.044 PSIA AT 68 DEGREES FAHRENHEIT<br>TVP OF PROCESS FLUID > 0.044 PSIA = YES |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| | | | TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES<br>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES<br>Complying With § 115.352(1) = YES |
| FUG | 40 CFR Part 61, Subpart V | 61V-1 | ALT MEANS OF EMISSION LIMITATION (AMEL)--OTHER CLOSED VENT SYSTEMS [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NESHAP V] = YES<br>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>COMPONENT IN VACUUM SERVICE [NESHAP V] = NO<br>COMPRESSORS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = NO<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP GAS/VAPOR SERVICE [NESHAP V] = NO<br>PRODUCT ACCUMULATOR VESSELS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = NO<br>SAMPLING CONNECTION SYSTEMS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>VALVES IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALT MEAN EMISSION LIMIT (AMEL)-CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-CLOSED VENT SYSTEM W/ VAPOR RECOVERY [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-PRODUCT ACCUMULATOR VESSEL VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-SAMPLING CONNECTION SYS VHAP SVC [NESHAP V] = NO<br>ALT MEANS OF EMISSION LIMITATION (AMEL)-CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD GAS/VAPOR VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--COMPRESSORS VHAP SVC [NESHAP V] = NO<br><br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--VALVES VHAP SERVICE [NESHAP V] = NO<br>COMPONENT IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-11(F)(1)--OTHER CLOSED VENT SYSTEM [NESHAP V] = YES<br>PUMPS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--PUMPS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(C)--CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(D)--CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-3--COMPRESSORS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-4--PRD GAS/VAPOR VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-5--SAMPLING CONNECTION SYSTEMS VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-7--VALVES VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-9 -- PRODUCT ACCUMULATOR VESSELS VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(B)--CVS W/ VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>FLANGES & OTHER CONNECTORS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>OPEN-ENDED VALVES OR LINES VOLATILE HAZARDOUS AIR POLLUTANT SERVICE [NESHAP V] = YES |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| | | | PRESSURE RELIEF DEVICES (PRD) IN VHAP LIQUID SERVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-FLANGES/OTHER CONNECTORS VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD LIQUID VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-2--PUMPS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-6 -- OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--FLANGES/OTHER CONNECTORS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--PRD LIQUID VHAP SERVICE [NESHAP V] = NO |
| FUG | 40 CFR Part 61, Subpart V | 61V-2 | ALT MEANS OF EMISSION LIMITATION (AMEL)--OTHER CLOSED VENT SYSTEMS [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NESHAP V] = YES<br>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>COMPONENT IN VACUUM SERVICE [NESHAP V] = NO<br>COMPRESSORS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = NO<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP GAS/VAPOR SERVICE [NESHAP V] = NO<br>PRODUCT ACCUMULATOR VESSELS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = NO<br>SAMPLING CONNECTION SYSTEMS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>VALVES IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALT MEAN EMISSION LIMIT (AMEL)-CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-CLOSED VENT SYSTEM W/ VAPOR RECOVERY [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-PRODUCT ACCUMULATOR VESSEL VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-SAMPLING CONNECTION SYS VHAP SVC [NESHAP V] = NO<br>ALT MEANS OF EMISSION LIMITATION (AMEL)-CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD GAS/VAPOR VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--COMPRESSORS VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--VALVES VHAP SERVICE [NESHAP V] = NO<br>COMPONENT IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-11(F)(1)--OTHER CLOSED VENT SYSTEM [NESHAP V] = YES<br>PUMPS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--PUMPS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(C)--CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(D)--CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-3--COMPRESSORS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-4--PRD GAS/VAPOR VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-5--SAMPLING CONNECTION SYSTEMS VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-7--VALVES VHAP SERVICE [NESHAP V] = YES |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| | | | COMPLYING W/ 40 CFR 61.242-9 -- PRODUCT ACCUMULATOR VESSELS VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(B)--CVS W/ VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>FLANGES & OTHER CONNECTORS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>OPEN-ENDED VALVES OR LINES VOLATILE HAZARDOUS AIR POLLUTANT SERVICE [NESHAP V] = YES<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP LIQUID SERVICE [NESHAP V] = NO<br><br>ALT MEANS EMISSION LIMIT (AMEL)-FLANGES/OTHER CONNECTORS VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD LIQUID VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-2--PUMPS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-6 -- OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--FLANGES/OTHER CONNECTORS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--PRD LIQUID VHAP SERVICE [NESHAP V] = NO |
| FUG | 40 CFR Part 61, Subpart V | 61V-3 | ALT MEANS OF EMISSION LIMITATION (AMEL)--OTHER CLOSED VENT SYSTEMS [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NESHAP V] = YES<br>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>COMPONENT IN VACUUM SERVICE [NESHAP V] = NO<br>COMPRESSORS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = NO<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP GAS/VAPOR SERVICE [NESHAP V] = NO<br>PRODUCT ACCUMULATOR VESSELS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = NO<br>SAMPLING CONNECTION SYSTEMS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>VALVES IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALT MEAN EMISSION LIMIT (AMEL)-CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-CLOSED VENT SYSTEM W/ VAPOR RECOVERY [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-PRODUCT ACCUMULATOR VESSEL VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-SAMPLING CONNECTION SYS VHAP SVC [NESHAP V] = NO<br>ALT MEANS OF EMISSION LIMITATION (AMEL)-CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD GAS/VAPOR VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--COMPRESSORS VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--VALVES VHAP SERVICE [NESHAP V] = NO<br>COMPONENT IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-11(F)(1)--OTHER CLOSED VENT SYSTEM [NESHAP V] = YES<br>PUMPS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--PUMPS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(C)--CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| | | | COMPLYING W/ 40 CFR 61.242-11(D)--CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-3--COMPRESSORS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-4--PRD GAS/VAPOR VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-5--SAMPLING CONNECTION SYSTEMS VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-7--VALVES VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-9 -- PRODUCT ACCUMULATOR VESSELS VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(B)--CVS W/ VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>FLANGES & OTHER CONNECTORS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>OPEN-ENDED VALVES OR LINES VOLATILE HAZARDOUS AIR POLLUTANT SERVICE [NESHAP V] = YES<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP LIQUID SERVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-FLANGES/OTHER CONNECTORS VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD LIQUID VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-2--PUMPS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-6 -- OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--FLANGES/OTHER CONNECTORS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--PRD LIQUID VHAP SERVICE [NESHAP V] = NO |
| FUG | 40 CFR Part 61, Subpart V | 61V-4 | ALT MEANS OF EMISSION LIMITATION (AMEL)--OTHER CLOSED VENT SYSTEMS [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NESHAP V] = YES<br>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br><br>COMPONENT IN VACUUM SERVICE [NESHAP V] = NO<br>COMPRESSORS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = NO<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP GAS/VAPOR SERVICE [NESHAP V] = NO<br>PRODUCT ACCUMULATOR VESSELS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = NO<br>SAMPLING CONNECTION SYSTEMS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>VALVES IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALT MEAN EMISSION LIMIT (AMEL)-CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-CLOSED VENT SYSTEM W/ VAPOR RECOVERY [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-PRODUCT ACCUMULATOR VESSEL VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-SAMPLING CONNECTION SYS VHAP SVC [NESHAP V] = NO<br>ALT MEANS OF EMISSION LIMITATION (AMEL)-CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD GAS/VAPOR VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--COMPRESSORS VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--VALVES VHAP SERVICE [NESHAP V] = NO |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| | | | COMPONENT IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-11(F)(1)--OTHER CLOSED VENT SYSTEM [NESHAP V] = YES<br>PUMPS IN VOLATILE HAZARDOUS AIR POLLUTANT (VHAP) SERVICE [NESHAP V] = YES<br>ALTERNATE MEANS OF EMISSION LIMITATION (AMEL)--PUMPS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(C)--CVS W/ ENCLOSED COMBUSTION DEVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(D)--CLOSED VENT SYSTEM W/ FLARE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-3--COMPRESSORS VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-4--PRD GAS/VAPOR VHAP SERVICE [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-5--SAMPLING CONNECTION SYSTEMS VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-7--VALVES VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-9 -- PRODUCT ACCUMULATOR VESSELS VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-11(B)--CVS W/ VAPOR RECOVERY SYSTEM [NESHAP V] = NO<br>FLANGES & OTHER CONNECTORS VOLATILE HAZARDOUS AIR POLLUTANT SVC [NESHAP V] = YES<br>OPEN-ENDED VALVES OR LINES VOLATILE HAZARDOUS AIR POLLUTANT SERVICE [NESHAP V] = YES<br>PRESSURE RELIEF DEVICES (PRD) IN VHAP LIQUID SERVICE [NESHAP V] = NO<br>ALT MEANS EMISSION LIMIT (AMEL)-FLANGES/OTHER CONNECTORS VHAP SVC [NESHAP V] = NO<br>ALT MEANS EMISSION LIMITATION (AMEL)-OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = NO<br>ALTERNATE MEANS EMISSION LIMITATION (AMEL)--PRD LIQUID VHAP SVC [NESHAP V] = NO<br>COMPLYING W/ 40 CFR 61.242-2--PUMPS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-6 -- OPEN-ENDED VALVES/LINES VHAP SVC [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--FLANGES/OTHER CONNECTORS VHAP SERVICE [NESHAP V] = YES<br>COMPLYING W/ 40 CFR 61.242-8--PRD LIQUID VHAP SERVICE [NESHAP V] = NO |
| FUG | 40 CFR Part 63, Subpart EEEE | 1-63EEEE | Component Service Hours = Pumps, valves or sampling connections at the Organic Loading Distribution Facility operate in organic HAP service 300 hours/yr or more. |
| AAS-1 | 30 TAC Chapter 115, Vent Gas Controls | V-1 | Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. |
| AAS-2 | 30 TAC Chapter 115, Vent Gas Controls | V-1 | Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. |
| B-1 | 30 TAC Chapter 111, Visible Emissions | 111-B1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.<br>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---|---|---|---|
| B-2 | 30 TAC Chapter 111, Visible Emissions | 111-B1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.<br>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute. |
| CA-1 | 30 TAC Chapter 115, Vent Gas Controls | V-1 | Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. |
| SC-800 | 30 TAC Chapter 115, Vent Gas Controls | V-1 | Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. |

* - The “unit attributes” or operating conditions that determine what requirements apply

**NSR Versus Title V FOP**

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

| NSR Permit | Federal Operating Permit(FOP) |
|---|---|
| Issued Prior to new Construction or modification of an existing facility | For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation. |
| Authorizes air emissions | Codifies existing applicable requirements, does not authorize new emissions |
| Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented. | Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP. |
| Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations. | One public notice required. Opportunity for public comments. No contested case hearings. |
| Applies to all point source emissions in the state. | Applies to all major sources and some non-major sources identified by the EPA. |
| Applies to facilities: a portion of site or individual emission sources | One or multiple FOPs cover the entire site (consists of multiple facilities) |
| Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis. | Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site. |
| Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources. | Opportunity for EPA review, Affected states review, and a Public petition period for every FOP. |
| Permits have a table listing maximum emission limits for pollutants | Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements. |
| Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin. | Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated. |
| NSR permits are issued independent of FOP requirements. | FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference |

**New Source Review Requirements**

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

| **Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.** | |
|---|---|
| Authorization No.: 466A | Issuance Date: 04/05/2013 |
| Authorization No.: 77383 | Issuance Date: 11/29/2005 |
| Authorization No.: 80015 | Issuance Date: 10/09/2006 |
| **Permits By Rule (30 TAC Chapter 106) for the Application Area** | |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.373 | Version No./Date: 03/14/1997 |
| Number: 106.412 | Version No./Date: 03/14/1997 |
| Number: 106.472 | Version No./Date: 09/04/2000 |
| Number: 106.478 | Version No./Date: 03/14/1997 |
| Number: 106.511 | Version No./Date: 03/14/1997 |
| Number: 14 | Version No./Date: 11/05/1986 |

**Emission Units and Emission Points**

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an

emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

**Monitoring Sufficiency**

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

**Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected**

**Periodic Monitoring:**

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

| Unit/Group/Process Information | |
|---|---|
| ID No.: B-1 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: 111-B1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| **Monitoring Information** | |
| Indicator: Fuel Type | |
| Minimum Frequency: Annually or at any time an alternate fuel is used | |
| Averaging Period: n/a | |
| Deviation Limit: Presence of visible emissions during firing of alternate fuel. | |
| Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: B-2 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: 111-B1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| **Monitoring Information** | |
| Indicator: Fuel Type | |
| Minimum Frequency: Annually or at any time an alternate fuel is used | |
| Averaging Period: n/a | |
| Deviation Limit: Presence of visible emissions during firing of an alternate fuel. | |
| Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: GRPTK1 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart K | SOP Index No.: 4-K1 |
| Pollutant: VOC | Main Standard: § 60.112(a)(1) |
| **Monitoring Information** | |
| Indicator: Internal Floating Roof | |
| Minimum Frequency: Annually | |
| Averaging Period: N/A | |
| Deviation Limit: If the roof is not floating on the surface of the VOC, liquid has accumulated on the roof, the seals are detached, or there are holes or tears in the seal fabric, it shall be corrected within 120 days or considered and reported as a deviation. | |
| Basis of monitoring: The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: GRPTK1 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart K | SOP Index No.: 4-K2 |
| Pollutant: VOC | Main Standard: § 60.112(a)(1) |
| **Monitoring Information** | |
| Indicator: Internal Floating Roof | |
| Minimum Frequency: Annually | |
| Averaging Period: N/A | |
| Deviation Limit: If the roof is not floating on the surface of the VOC, liquid has accumulated on the internal floating roof, the seals are detached, or there are holes or tears in the seal fabric, it shall be corrected within 120 days or considered and reported as a | |
| Basis of monitoring: The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: T-803 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 4-Kb2 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| **Monitoring Information** | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Once per year | |
| Averaging Period: n/a | |
| Deviation Limit: No detectable emissions. | |
| Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: T-803 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 4-Kb2 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| **Monitoring Information** | |
| Indicator: Visual Inspection | |
| Minimum Frequency: Once per year | |
| Averaging Period: n/a | |
| Deviation Limit: The presence of defects in the vapor collection system, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices that could result in air emissions. | |
| Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and a recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: T-803 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 4-Kb3 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| **Monitoring Information** | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Once per year | |
| Averaging Period: n/a | |
| Deviation Limit: No detectable emissions. | |
| Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: T-803 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 4-Kb3 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| **Monitoring Information** | |
| Indicator: Visual Inspection | |
| Minimum Frequency: Once per year | |
| Averaging Period: n/a | |
| Deviation Limit: The presence of defects in the vapor collection system, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices that could result in air emissions. | |
| Basis of monitoring:<br>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and a recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment. | |

**Compliance Review**

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on 02/12/2014.
2. The compliance history review evaluated the period from 08/31/2008 to 09/01/2013.
   Site rating: 14.57 Company rating: 14.57
   *(High < 0.10; Satisfactory > 0.10 and < 55; Unsatisfactory > 55)*
3. Has the permit changed on the basis of the compliance history or site/company rating? .....No

Permit reviewer notes: NA

**Site/Permit Area Compliance Status Review**

1. Were there any out-of-compliance units listed on Form OP-ACPS? .....No
2. Is a compliance plan and schedule included in the permit?.....No

Permit reviewer notes: NA

**Available Unit Attribute Forms**

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing

OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes